

WHAT IS CLAIMED IS:

1. A high-frequency superposition module for an optical pickup that superposes a high-frequency current on a direct current of a laser diode for the optical pickup, said

5 module comprising:

an oscillating circuit for feeding said high frequency to said laser diode, which includes at least an active element and passive elements; and

10 a power supply for feeding said direct current to the laser diode which is also used as a power supply for said oscillating circuit.

2. A high-frequency superposition module as claimed in claim 1 further comprising an impedance matching circuit being
15 provided between the oscillating circuit and the laser diode.

3. An optical pickup comprising:

a laser diode; and

20 a high-frequency superposition module that superposes a high-frequency current on a direct current of a laser diode, said module including:

an oscillating circuit for feeding said high frequency to said laser diode, which includes at least an active element and passive elements; and

25 a power supply for feeding said direct current to

the laser diode which is also used as a power supply for said oscillating circuit,

wherein said laser diode is driven by said high-frequency superposition module

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